**Release and Sprint Plans**

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Release Plan

# Release 1

Delivery date: 25th October 2017 Total Story Points:62

For the first release, a working prototype of the smart city system will be created. The system will enable users a way to log-in and create an account for use with the system. Smart City will provide information about the Brisbane city. Users will be able to view said information in a map feature and view less relevant information should they desire.

## Landing Page

Users can view the features of the system and sign on.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S05 | Welcome page | 2 |
| S01 | Log-in | 2 |
| S02 | Registration | 4 |
| S19 | Log-out | 2 |
|  | Story Point Sub-Total: | 10 |

## Administrator Account

Admins can log-in and access the admin specific tools.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S06 | Admin setup | 8 |
| S09 | Data manipulation | 8 |
| S10 | Admin creation | 2 |
|  | Story Point Sub-Total: | 18 |

## User Account

Users can select their account type and view map features

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S12 | Account information | 4 |
| S15 | Tourist account | 2 |
| S16 | Student account | 2 |
| S17 | Business account | 2 |
|  | Story Point Sub-Total: | 10 |

## System Features

The system will provide the users with relevant information

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S11 | Segmented data | 2 |
| S14 | Map updates | 8 |
| S18 | System Scalability | 2 |
| S13 | Map data | 4 |
| S03 | Viewing additional information | 8 |
|  | Story Point Sub-Total: | 24 |

# Release 2

Delivery date: To be announced Total Story Points:33

Provide users with advanced functionality for finding and reviewing locations. The system will also allow users to search for destinations outside of Brisbane including Sydney, Melbourne, Adelaide, etc. Alongside these new functions the system will also expand so that additional city information can be inserted such as bus services and health services.

## User Enhancements

Provide users of the system with additional services and tools so that information can be tailored more accurately and accounts can be secured.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S07 | Account security | 2 |
| S08 | Account recovery | 2 |
| S03 | Browser support | 1 |
| S20 | User management | 2 |
| S31 | Information storage | 2 |
|  | Story Point Sub-Total: | 9 |

## Location Services

This will provide users with more accurate information regarding locations.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S28 | Reviews | 4 |
| S30 | Live weather | 8 |
| S22 | Search | 4 |
|  | Story Point Sub-Total: | 16 |

## Communication Features

Users will be able have contact with support services and be able to integrate the service with their social media

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S24 | Contact Us | 2 |
| S25 | FAQ | 1 |
| S26 | Social Media | 1 |
| S29 | Forum | 4 |
|  | Story Point Sub-Total: | 8 |

# Release 3

Delivery date: To be announced Total Story Points:24

Mobile functionally will be introduced to further support the system to increase functionality. To enhance the service an ability to change the language will be incorporated.

## Language Change

Users will be able to change the language into their preferred language.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S23 | Language Change | 8 |
|  | Story Point Sub-Total: | 8 |

## Mobile Compatibility

To increase accessibility the service shall support a mobile compatible version.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S27 | Mobile-ready | 8 |
|  | Story Point Sub-Total: | 8 |

## 3D map

In order to make the system feel more natural, 3d technology will be implemented

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S21 | 3D Map | 8 |
|  | Story Point Sub-Total: | 8 |

# Delivery Schedule

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| Sprint 1 | | | | Sprint 2 | | | |
| Release 1 | | | | | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Week 14 |  | Week 15 |  |  |  |  |  |
| Sprint 3 | | | |  | |  | |
| Release 3, 4, … | | | | | | | |

## Estimated Velocity: 33

* Ideal day = 2 hours per person
* Sprint length = 4 weeks or 20 days
* 5 group members \*20 days = 100 potential days
* Third of 100 days = 33 velocity

Sprint Plan

# Sprint 1

Total Story Points: 30 Total Hours: 228

## Current Velocity*:* 33

## Story 05: Welcome Page

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Create a main page which introduces site services | 6 | 5 |
| T02 | Write test cases | 1 | 1 |
| T03 | Provide ability to create new user accounts (student, tourist, businessman) | 4 | 3 |
| T04 | Create account registration link | 1 | 1 |
| T05 | Write code to log in | 3 | 2 |
| T06 | Write code to log out | 3 | 2 |
| T07 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 Total Hours: | 19 |  |

## Story 06: Admin Setup

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T08 | Create unique webpage for admin | 6 | 1 |
| T09 | Write test cases | 1 | 1 |
| T10 | Edit permissions so that only accessible to “Admin” user types | 10 | 6 |
| T11 | Code administrator tools | 25 |  |
| T12 | Access to admin specific tools | 5 | 3 |
| T13 | Code tool graphical user interface | 15 | 5 |
| T14 | Create initial admin account | 5 | 1 |
| T15 | Verify story is complete | 1 | 1 |
|  | Story Points: 8 Total Hours: | 68 |  |

## Story 12: Account Information

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T16 | Display park, zoo, museum, restaurant and mall data to all accounts | 10 | 5 |
| T17 | Write test cases | 1 | 1 |
| T18 | Create separate data tables for each data set | 5 | 4 |
| T19 | Exclude specific user account information from being displayed on certain accounts (e.g. tourist can’t look at student data) | 5 |  |
| T20 | Code ability to filter results | 5 | 4 |
| T21 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 Total Hours: | 27 |  |

## Story 13: Map Data

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T22 | Create map webpage | 5 | 2 |
| T23 | Write test cases | 1 | 1 |
| T24 | Implement Google Maps API | 6 | 3 |
| T25 | Create data points for each location within the city | 8 | 9 |
| T26 | Set permission to edit map data to “admin” account types only | 10 | 4 |
| T27 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 Total Hours: | 31 |  |

## Story 9: Data manipulation

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T28 | Ability to modify set for admin only | 10 | 2 |
| T29 | Write test cases | 1 | 1 |
| T30 | Code admin ability to add and modify city data | 20 |  |
| T31 | Create graphic overlay for manipulation tools | 15 |  |
| T32 | Create uniform data entry sets | 4 | 2 |
| T33 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 8 Total Hours: | 51 |  |

## Story 02: Account Registration

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T34 | Create ability to select user type | 5 | 2 |
| T35 | Write test cases | 1 | 1 |
| T36 | Form validation | 10 | 3 |
| T37 | Account creation requires mandatory form field completion | 5 | 1 |
| T38 | Check database for username uniqueness | 5 | 1 |
| T39 | Provide ability to insert non-mandatory information fields | 5 | 1 |
| T40 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 Total Hours: | 32 |  |

**Sprint 2**

Total Story Points: 28 Total Hours

Current Velocity: 30

## Story 10: Admin Creation

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T34 | Create ability to create new admin account | 3 | 2 |
| T35 | Write test cases | 1 |  |
| T36 | Feature exclusive to Admin account | 4 | 3 |
| T37 | Account creation requires mandatory form field completion | 5 | 1 |
| T38 | Check database for username uniqueness | 5 | 1 |
| T39 | Provide ability to insert non-mandatory information fields | 5 | 1 |
| T40 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 2 Total Hours: | 24 |  |

## Story 15: Tourist account

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T34 | Account type can be selected | 2 | 2 |
| T35 | Write test cases | 1 |  |
| T36 | Account can see city information | 2 | 3 |
| T37 | Can see Tourist information | 2 | 1 |
| T38 | Default view shows only city and tourist information | 5 | 1 |
| T39 | Can search for other information | 10 | 1 |
| T40 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 2 Total Hours: | 23 |  |

## Story 16: Student account

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T34 | Account type can be selected | 2 | 2 |
| T35 | Write test cases | 1 |  |
| T36 | Account can see city information | 2 | 3 |
| T37 | Can see Student information | 2 | 1 |
| T38 | Default view shows only city and tourist information | 5 | 1 |
| T39 | Can search for other information | 10 | 1 |
| T40 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 2 Total Hours: | 23 |  |

## Story 17: Business account

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T34 | Account type can be selected | 2 | 2 |
| T35 | Write test cases | 1 |  |
| T36 | Account can view city information | 2 | 3 |
| T37 | Can see Business information | 2 | 1 |
| T38 | Default view shows only city and tourist information | 2 | 1 |
| T39 | Can search for other information | 10 | 1 |
| T40 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 2 Total Hours: | 23 |  |

## Story 03: Viewing Additional information

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T34 | Create search function | 5 | 2 |
| T35 | Write test cases | 1 |  |
| T36 | User can search for other fields | 15 | 3 |
| T37 | Create results pages | 5 | 1 |
| T38 | Clicking on results will take to map page | 8 | 1 |
| T40 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 8 Total Hours: | 35 |  |

## Story 11: Segmented Data

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T34 | City information stored separately | 5 | 2 |
| T35 | Write test cases | 1 |  |
| T36 | Data sets have unique identifier | 3 | 3 |
| T37 | Each account shows unique map data (student looks at library exclusively) | 5 | 1 |
| T40 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 2 Total Hours: | 15 |  |

## Story 14: Map Updates

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T34 | Create ability to edit map data | 5 | 2 |
| T35 | Write test cases | 1 |  |
| T36 | Set to admin exclusive access | 5 | 3 |
| T37 | Each location can be edited | 10 | 1 |
| T38 | Code user interface for map editing | 10 | 1 |
| T40 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 8 Total Hours: | 32 |  |

## Story 18: System scalability

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T34 | Create ability to select different city | 5 | 2 |
| T35 | Write test cases | 1 |  |
| T36 | Insert data for new city | 12 | 3 |
| T37 | Expand on city information (bus stops, health) | 6 | 1 |
| T38 | Create a identifier on each data set for which city it is in | 5 | 1 |
| T40 | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 2 Total Hours: | 30 |  |